

ABSTRACT OF THE DISCLOSURE.

An economical, flexible, breathable polymer film composite modified in at least one of its surfaces by the formation of pores opening out in a funnel
5 shape at the surface thereof, with a nanoscale particle system and which is particularly suitable for packaging purposes. The modification further includes at least one composite layer construction made from a binding agent layer of chemically inert inorganic nanoparticles and a lining layer of hydrophilic non-toxic metal oxide particles which are photocatalytically active
10 under short wave light radiation and which have an anti-bacterial and self-cleaning effect.